

=> d his

(FILE 'HOME' ENTERED AT 16:01:12 ON 30 AUG 2004)

L1 FILE 'HCAPLUS' ENTERED AT 16:01:31 ON 30 AUG 2004  
3 US20040106209/PN

FILE 'REGISTRY' ENTERED AT 16:01:57 ON 30 AUG 2004

L2 FILE 'HCAPLUS' ENTERED AT 16:02:00 ON 30 AUG 2004  
TRA L1 1- RN : 26 TERMS

L3 FILE 'REGISTRY' ENTERED AT 16:02:00 ON 30 AUG 2004  
26 SEA L2

L4 FILE 'WPIX' ENTERED AT 16:02:06 ON 30 AUG 2004  
1 US20040106209/PN

=> b hcap

FILE 'HCAPLUS' ENTERED AT 16:02:30 ON 30 AUG 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Aug 2004 VOL 141 ISS 10  
FILE LAST UPDATED: 29 Aug 2004 (20040829/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d all 11 tot

L1 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:451570 HCAPLUS  
DN 140:420391  
ED Entered STN: 04 Jun 2004  
TI Methods for improving sensitivity of oxygen biosensors  
IN Keith, Steven C.  
PA USA  
SO U.S. Pat. Appl. Publ., 16 pp., Cont.-in-part of U.S. Ser. No. 642,504.  
CODEN: USXXCO  
DT Patent  
LA English  
IC ICM G01N033-00  
NCL 436127000  
CC 9-16 (Biochemical Methods)  
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004106209	A1	20040603	US 2001-966505	20010928 <--
	EP 509791	A1	19921021	EP 1992-303391	19920415
	EP 509791	B1	19960703		
	R: DE, FR, GB, IT				
	CA 2066329	AA	19921019	CA 1992-2066329	19920416
	CA 2066329	C	20000620		
	JP 05137596	A2	19930601	JP 1992-98368	19920418
	JP 07073510	B4	19950809		
	US 6395506	B1	20020528	US 1999-342720	19990629
	US 2002192636	A1	20021219	US 2002-109475	20020328
PRAI	US 1991-687359	B1	19910418		
	US 1993-25899	A2	19930303		
	US 1996-715557	B2	19960918		
	US 1999-342720	A2	19990629		
	US 2000-642504	A2	20000818		
	US 2001-966505	A2	20010928		

## CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	US 2004106209	ICM	G01N033-00
		NCL	436127000
	US 2004106209	ECLA	C12Q001/04; C12Q001/18
	US 6395506	ECLA	C12Q001/04; C12Q001/18
	US 2002192636	ECLA	C12Q001/04; C12Q001/18
AB	The present invention is directed to methods used to detect metabolic activity of biol. samples based on their ability to consume oxygen.		
ST	oxygen biosensor		
IT	Biosensors		
	Computer program		
	Mathematical methods		
	Simulation and Modeling, biological		
	Statistical analysis		
	(methods for improving sensitivity of oxygen biosensors)		
IT	7782-44-7, Oxygen, analysis		
	RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)		
	(methods for improving sensitivity of oxygen biosensors)		
IT	15158-62-0	36309-88-3	50525-27-4 63373-04-6
	RL: ARU (Analytical role, unclassified); ANST (Analytical study)		
	(methods for improving sensitivity of oxygen biosensors)		
IT	9035-51-2, Cytochrome P450, biological studies		
	RL: BSU (Biological study, unclassified); BIOL (Biological study)		
	(methods for improving sensitivity of oxygen biosensors)		
L1	ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN		
AN	2002:964997 HCAPLUS		
DN	138:35680		
ED	Entered STN: 20 Dec 2002		
TI	Methods and apparatus for the discovery of growth promoting environments		
IN	Guarino, Richard David; Hemperly, John Jacob; Spargo, Catherine A.; Liebmann-Vinson, Andrea; Heidaran, Mohammad A.		
PA	USA		
SO	U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U. S. Ser. No. 966,505.		
	CODEN: USXXCO		
DT	Patent		
LA	English		
IC	ICM C12Q001-00		
	ICS G01N033-53; G01N033-567; C12Q001-18		

NCL 435004000; 435007200; 435040500

CC 9-1 (Biochemical Methods)

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002192636	A1	20021219	US 2002-109475	20020328
	EP 509791	A1	19921021	EP 1992-303391	19920415
	EP 509791	B1	19960703		
	R: DE, FR, GB, IT				
	CA 2066329	AA	19921019	CA 1992-2066329	19920416
	CA 2066329	C	20000620		
	JP 05137596	A2	19930601	JP 1992-98368	19920418
	JP 07073510	B4	19950809		
	US 6395506	B1	20020528	US 1999-342720	19990629
	US 2004106209	A1	20040603	US 2001-966505	20010928 <--
PRAI	US 1991-687359	B1	19910418		
	US 1993-25899	A2	19930303		
	US 1996-715557	A2	19960918		
	US 1999-342720	A2	19990629		
	US 2000-642504	A2	20000818		
	US 2001-966505	A2	20010928		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2002192636	ICM	C12Q001-00
	ICS	G01N033-53; G01N033-567; C12Q001-18
	NCL	435004000; 435007200; 435040500
US 2002192636	ECLA	C12Q001/04; C12Q001/18
US 6395506	ECLA	C12Q001/04; C12Q001/18
US 2004106209	ECLA	C12Q001/04; C12Q001/18

AB The present invention relates to cell culture. In particular, this invention is directed to methods and apparatuses used to observe or quantitate cell proliferation in the presence of potential growth promoting mols. in a two or three dimensional architecture. Further, the invention provides methods, apparatuses and kits which can be used in assays for the effects of different materials, bioactive agents, or combinations thereof on cells in two or three dimensional culture. In particular, the invention provides a method for determining the presence or absence of respiring cells which includes depositing a three-dimensional biomimetic scaffold and cells onto a sensor composition, the sensor composition including a luminescent compound that exhibits a change in luminescent property when irradiated with light containing wavelengths which cause said compound to luminesce upon exposure to oxygen and then irradiating the sensor composition with light to cause luminescence, followed by determining

the

resultant luminescent light intensity emitted and determining whether said resultant luminescent light intensity emitted is indicative of the presence or absence of respiring cells. The system also can be used in cytotoxicity assays for the effects of drugs, toxins, or chems. on eukaryotic or prokaryotic cells.

ST app respiration cell culture luminescence proliferation oxygen biosensor

IT Animal cell line

(3T3; methods and apparatus for discovery of growth promoting environments)

IT Animal cell line

(MC3T3-E1; methods and apparatus for discovery of growth promoting environments)

IT Animal cell line

(WI-38; methods and apparatus for discovery of growth promoting environments)

IT Respiration, animal

- (cells; methods and apparatus for discovery of growth promoting environments)
- IT Analytical apparatus  
Animal tissue culture  
Biosensors  
Cell proliferation  
Extracellular matrix  
Films  
Growth, animal  
Human  
Immobilization, molecular or cellular  
Luminescence  
Luminescence spectroscopy  
Luminescent substances  
Microtiter plates  
Respiration, microbial  
Test kits  
(methods and apparatus for discovery of growth promoting environments)
- IT Plastics, analysis  
Silicone rubber, analysis  
RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
(methods and apparatus for discovery of growth promoting environments)
- IT Growth factors, animal  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(methods and apparatus for discovery of growth promoting environments)
- IT Rubber, biological studies  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)  
(methods and apparatus for discovery of growth promoting environments)
- IT Collagens, biological studies  
Entactin  
Laminins  
Polyoxyalkylenes, biological studies  
Proteoglycans, biological studies  
Vitronectin  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(methods and apparatus for discovery of growth promoting environments)
- IT Polymers, uses  
RL: NUU (Other use, unclassified); PRP (Properties); USES (Uses)  
(methods and apparatus for discovery of growth promoting environments)
- IT Sarcoma  
(mouse, exts. from; methods and apparatus for discovery of growth promoting environments)
- IT Gas sensors  
(oxygen; methods and apparatus for discovery of growth promoting environments)
- IT Collagens, biological studies  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)  
(type IV; methods and apparatus for discovery of growth promoting environments)
- IT 7782-44-7, Oxygen, analysis  
RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)  
(methods and apparatus for discovery of growth promoting environments)
- IT 1499-10-1, 9,10-Diphenylanthracene 15158-62-0, Tris-2,2'-bipyridylruthenium (II) 36309-88-3, Tris-4,7-diphenyl-1,10-phenanthroline ruthenium (II) chloride 50525-27-4, Tris(2,2'-bipyridyl)ruthenium (II) chloride hexahydrate 63373-04-6,

Tris-4,7-diphenyl-1,10-phenanthroline ruthenium (II)  
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)  
 (methods and apparatus for discovery of growth promoting environments)  
 IT 7631-86-9, Silica, analysis  
 RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
 (methods and apparatus for discovery of growth promoting environments)  
 IT 9050-30-0, Heparan sulfate  
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)  
 (methods and apparatus for discovery of growth promoting environments)  
 IT 25322-69-4, Polypropylene oxide 26009-03-0, Polyglycolic acid  
 26023-30-3, Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] 141907-41-7, Matrix  
 metalloproteinase  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (methods and apparatus for discovery of growth promoting environments)

L1 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:403838 HCAPLUS  
 DN 136:382505  
 ED Entered STN: 30 May 2002  
 TI Device for monitoring cells  
 IN Pitner, J. Bruce; Hemperly, John Jacob; Guarino, Richard D.; Wodnicka,  
 Magdalena; Stitt, David T.; Burrell, Gregory J.; Foley, Timothy G., Jr.;  
 Beaty, Patrick Shawn  
 PA Becton, Dickinson and Company, USA  
 SO U.S., 42 pp., Cont.-in-part of U.S. Ser. No. 715,557.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 IC ICM C12Q001-18  
 NCL 435032000  
 CC 9-1 (Biochemical Methods)  
 Section cross-reference(s): 1, 4  
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6395506	B1	20020528	US 1999-342720	19990629
	EP 509791	A1	19921021	EP 1992-303391	19920415
	EP 509791	B1	19960703		
	R: DE, FR, GB, IT				
	CA 2066329	AA	19921019	CA 1992-2066329	19920416
	CA 2066329	C	20000620		
	JP 05137596	A2	19930601	JP 1992-98368	19920418
	JP 07073510	B4	19950809		
	US 2004106209	A1	20040603	US 2001-966505	20010928 <--
	US 2002192636	A1	20021219	US 2002-109475	20020328
	US 2002155424	A1	20021024	US 2002-116777	20020404
PRAI	US 1991-687359	B1	19910418		
	US 1993-25899	A2	19930303		
	US 1996-715557	A2	19960918		
	US 1999-342720	A2	19990629		
	US 2000-642504	A2	20000818		
	US 2001-966505	A2	20010928		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 6395506	ICM	C12Q001-18
	NCL	435032000
US 6395506	ECLA	C12Q001/04; C12Q001/18

US 2004106209 ECLA C12Q001/04; C12Q001/18 <--  
US 2002192636 ECLA C12Q001/04; C12Q001/18  
US 2002155424 ECLA C12Q001/04; C12Q001/18

AB The present invention relates to methods for detection and evaluation of metabolic activity of eukaryotic and/or prokaryotic cells based upon their ability to consume dissolved oxygen. The methods utilize a luminescence detection system which makes use of the sensitivity of the luminescent emission of certain compds. to the presence of oxygen, which quenches (diminishes) the compound's luminescent emission in a concentration dependent manner. Respiring eukaryotic and/or prokaryotic cells will affect the oxygen concentration of a liquid medium in which they are immersed. Thus, this invention provides a convenient system to gather information on the presence, identification, quantification and cytotoxic activity of eukaryotic and/or prokaryotic cells by determining their effect on the oxygen concentration of the media in which they are present.

ST device monitoring cell  
IT Plates  
(Microtitration; device for monitoring cells)

IT Analytical apparatus  
Antibiotics  
Biological materials  
Blood  
Blood serum  
Cell  
Cell proliferation  
Chemicals  
Coating materials  
Composition  
Concentration (condition)  
Culture media  
Cytotoxicity  
Drugs  
Escherichia coli  
Eubacteria  
Eukaryota  
Extracellular matrix  
Fluorescence quenching  
Impermeability  
Insecta  
Light  
Liquids  
Luminescence  
Luminescence quenching  
Luminescence spectroscopy  
Luminescent substances  
Mathematical methods  
Metabolism  
Microorganism  
Molecules  
Particles  
Permeability  
Prokaryote  
Pseudomonas aeruginosa  
Radiation  
Reducing agents  
Respiration, animal  
Respiration, microbial  
Sensors  
Solutes  
Wavelength

Wetting  
Yeast  
(device for monitoring cells)

IT Toxins  
RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)  
(device for monitoring cells)

IT Reagents  
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)  
(device for monitoring cells)

IT Plastics, analysis  
RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
(device for monitoring cells)

IT Rubber, analysis  
RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
(device for monitoring cells)

IT Silicone rubber, analysis  
RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
(device for monitoring cells)

IT Growth factors, animal  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(device for monitoring cells)

IT Collagens, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(device for monitoring cells)

IT Entactin  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(device for monitoring cells)

IT Laminins  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(device for monitoring cells)

IT Proteoglycans, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(heparitin sulfate-containing; device for monitoring cells)

IT Optical detectors  
(luminescence; device for monitoring cells)

IT Animal cell  
(mammal; device for monitoring cells)

IT Amino acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(nonessential; device for monitoring cells)

IT Collagens, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(type IV; device for monitoring cells)

IT 1499-10-1, 9,10-Diphenylanthracene 15158-62-0D, Tris-2,2'-  
bipyridylruthenium (II), salts 36309-88-3, Tris-4,7-diphenyl-1,10-  
phenanthroline ruthenium (II) chloride 50525-27-4, Tris-2,2'-  
bipyridylruthenium (II) chloride hexahydrate. 63373-04-6D,  
Tris-4,7-diphenyl-1,10-phenanthroline ruthenium (II), salts  
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)  
(device for monitoring cells)

IT 7631-86-9, Silica, analysis  
RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
(device for monitoring cells)

IT 59-05-2, Methotrexate 151-21-3, Sodium dodecyl sulfate, biological

studies 865-21-4, Vinblastine 7757-83-7, Sodium Sulfite 7782-44-7,  
Oxygen, biological studies 26628-22-8, Sodium Azide 35607-66-0,  
Cefoxitin 55268-75-2, Cefuroxime 85721-33-1, Ciprofloxacin  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(device for monitoring cells)

IT 57-92-1, Streptomycin, biological studies 113-24-6, Sodium pyruvate  
1397-89-3, Fungizone 1406-05-9, Penicillin 119978-18-6, Matrigel  
141907-41-7, Matrix metalloproteinase  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(device for monitoring cells)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE

- (1) Bacon, J; Anal Chem 1987, V59(23), P2780 HCAPLUS
- (2) Berndt; US 6080574 A 2000
- (3) Collins; US 6107083 A 2000
- (4) Gentle; US 5998517 A 1999 HCAPLUS
- (5) Goswami, K; Fiber Optic Chemical Sensor for the Measurement of Partial  
Pressure of Oxygen 1988, V990, P111
- (6) Stitt; US 5567598 A 1996
- (7) Walt; US 5244636 A 1993 HCAPLUS
- (8) Wertz; US 4448534 A 1984
- (9) Wolfbeis, O; Mikrochimica Acta 1986, V3(5-6), P359 HCAPLUS

=> b reg

FILE 'REGISTRY' ENTERED AT 16:02:39 ON 30 AUG 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4  
DICTIONARY FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d ide l3 tot

L3 ANSWER 1 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 141907-41-7 REGISTRY  
CN Proteinase, matrix metallo- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Matrix metalloendoproteinase  
CN Matrix metalloprotease  
CN Matrix metalloprotease HIPHUM35  
CN Matrix metalloproteinase  
CN Matrix-degrading metalloproteinase

Searched by Noble Jarrell



MF Unspecified  
CI MAN  
SR CA  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN, CHEMCATS, CIN, PROMT, TOXCENTER, USPAT2, USPATFULL  
DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent  
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)  
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PROC (Process); USES (Uses)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

3005 REFERENCES IN FILE CA (1907 TO DATE)

16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3009 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 119978-18-6 REGISTRY  
CN Matrigel (9CI) (CA INDEX NAME)  
ENTE A culture medium (Becton, Dickinson & Co., Franklin Lakes, NJ)

MF Unspecified

CI MAN

SR CA

LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CIN, EMBASE, MEDLINE, PROMT, TOXCENTER, USPAT2, USPATFULL

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PROC (Process); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

346 REFERENCES IN FILE CA (1907 TO DATE)

346 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 85721-33-1 REGISTRY

CN 3-Quinolinecarboxylic acid, 1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-Cyclopropyl-6-fluoro-1,4-dihydro-7-(1-piperazinyl)-4-oxo-3-quinoline carboxylic acid

CN BAY-q 3939

CN Catex

CN Ciprine

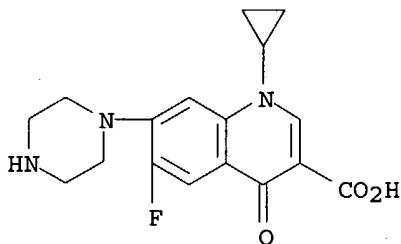
CN Cipro IV

CN Ciprobay 100

CN Ciprofloxacin

CN Cipropol

CN Euciprin  
 CN Oftacifox  
 FS 3D CONCORD  
 DR 189257-90-7  
 MF C17 H18 F N3 O3  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,  
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT,  
 CBNB, CEN, CHEMCATS, CHEMINFORMRX, CIN, CSCHEM, DDFU, DIOGENES, DRUGU,  
 EMBASE, HSDB\*, IFICDB, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS,  
 IMSRESEARCH, IPA, MEDLINE, MRCK\*, NIOSHTIC, PHAR, PIRA, PROMT, PROUSDDR,  
 PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2,  
 USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: WHO  
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP  
 (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological  
 study); PREP (Preparation); PRP (Properties); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU  
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
 (Reactant or reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
 study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP  
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses)

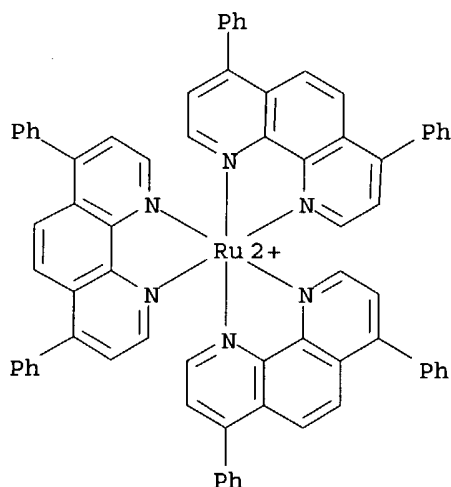


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7914 REFERENCES IN FILE CA (1907 TO DATE)  
 85 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 7936 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 63373-04-6 REGISTRY  
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-.kappa.N1,.kappa.N10)-  
 , (OC-6-11)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1,10-Phenanthroline, 4,7-diphenyl-, ruthenium complex  
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-  
 OTHER NAMES:  
 CN Ruthenium(II) tris(4,7-diphenyl-1,10-phenanthroline)  
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(2+)  
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II)

MF C72 H48 N6 Ru  
 CI CCS, COM  
 LC STN Files: BIOSIS, CA, CAPLUS, GMELIN\*, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 DT.CA Caplus document type: Conference; Journal; Patent  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES  
 (Uses)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
 study); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP  
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
 study); PREP (Preparation); PROC (Process); PRP (Properties); USES  
 (Uses)

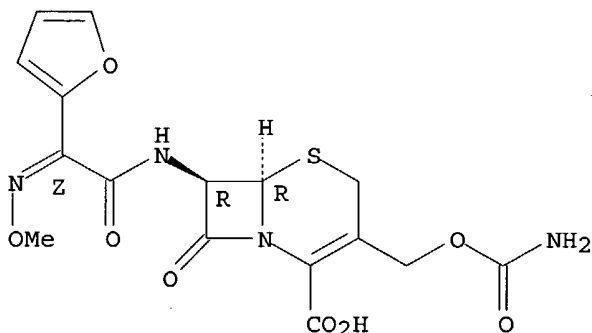


144 REFERENCES IN FILE CA (1907 TO DATE)  
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 144 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 55268-75-2 REGISTRY  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[ (aminocarbonyl)oxy]methyl]-7-[[ (2Z)-2-furanyl(methoxyimino)acetyl]amino]-8-oxo-, (6R,7R)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[ (aminocarbonyl)oxy]methyl]-7-[[2-furanyl(methoxyimino)acetyl]amino]-8-oxo-, [6R-[6.alpha.,7.beta.(Z)]]-  
 OTHER NAMES:  
 CN Biofuroksym  
 CN Cefaloxime  
 CN Cefuroxim  
 CN Cefuroxime  
 CN Cefuroxime acid  
 CN Cephuroxime

CN Ketocef  
 FS STEREOSEARCH  
 DR 153012-39-6  
 MF C16 H16 N4 O8 S  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSPATENTS, IPA, MEDLINE, MRCK\*, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

Absolute stereochemistry.  
 Double bond geometry as shown.

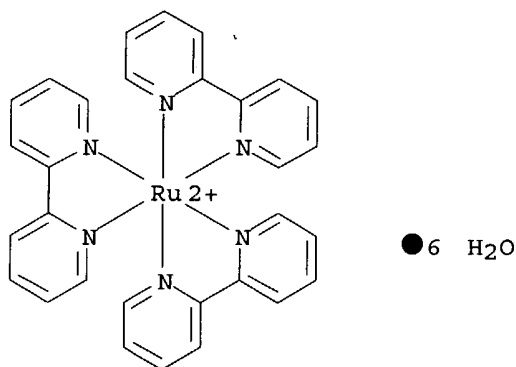


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2491 REFERENCES IN FILE CA (1907 TO DATE)  
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 2493 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 50525-27-4 REGISTRY  
 CN Ruthenium(2+), tris(2,2'-bipyridine-.kappa.N1,.kappa.N1')-, dichloride, hexahydrate, (OC-6-11)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Ruthenium(2+), tris(2,2'-bipyridine-N,N')-, dichloride, hexahydrate, (OC-6-11)-  
 OTHER NAMES:  
 CN Tris(2,2'-bipyridine)ruthenium dichloride hexahydrate

CN Tris(2,2'-bipyridyl)ruthenium(II) chloride hexahydrate  
 MF C30 H24 N6 Ru . 2 Cl . 6 H2 O  
 CI CCS  
 LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CHEMINFORMRX, CSCHEM, GMELIN\*,  
 MSDS-OHS, RTECS\*, TOXCENTER, USPATFULL  
 (\*File contains numerically searchable property data)  
 DT.CA Caplus document type: Conference; Journal; Patent  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 PROC (Process); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
 study); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
 (Reactant or reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: PRP (Properties)  
 CRN (15158-62-0)

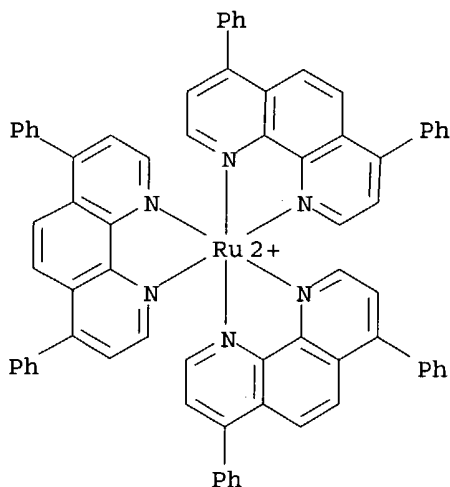


● 2 Cl<sup>-</sup>

60 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 60 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 36309-88-3 REGISTRY  
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-.kappa.N1,.kappa.N10)-  
 , dichloride, (OC-6-11)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1,10-Phenanthroline, 4,7-diphenyl-, ruthenium complex  
 CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, dichloride,  
 (OC-6-11)-  
 OTHER NAMES:  
 CN Ruthenium (II) tris(4,7-diphenyl-1,10-phenanthroline) dichloride  
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium dichloride  
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(2+) dichloride  
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) chloride  
 CN Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) dichloride  
 MF C72 H48 N6 Ru . 2 Cl  
 CI CCS

LC STN Files: CA, CAPLUS, CHEMCATS, CSCHEM, GMELIN\*, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 DT.CA Caplus document type: Conference; Journal; Patent  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 CRN (63373-04-6)



● 2 Cl<sup>-</sup>

104 REFERENCES IN FILE CA (1907 TO DATE)  
 104 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 35607-66-0 REGISTRY  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[[aminocarbonyl]oxy]methyl]-7-methoxy-8-oxo-7-[(2-thienylacetyl)amino]-  
 , (6R,7S)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[[aminocarbonyl]oxy]methyl]-7-methoxy-8-oxo-7-[(2-thienylacetyl)amino]-  
 , (6R-cis)-  
 OTHER NAMES:  
 CN Cefoxitin  
 CN Cephoxitin  
 FS STEREOSEARCH  
 DR 39951-67-2  
 MF C16 H17 N3 O7 S2  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN,

CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSPATENTS, IPA, MEDLINE, MRCK\*, NAPRALERT, PROMT, PS, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Report

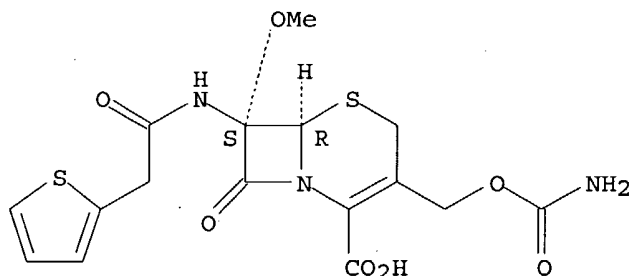
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PROC (Process); PRP (Properties)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2968 REFERENCES IN FILE CA (1907 TO DATE)

17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2972 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 9 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 26628-22-8 REGISTRY

CN Sodium azide (Na(N3)) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Sodium azide (8CI)

OTHER NAMES:

CN 17: PN: WO2004035819 PAGE: 242 claimed sequence

CN 9: PN: WO03068795 PAGE: 36 claimed sequence

CN Hydrazoic acid, sodium salt

CN Nemazyd

CN NSC 3072

DR 503002-54-8, 12136-89-9, 20828-18-6, 108592-00-3, 157302-08-4

MF N3 Na

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DIOGENES, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, PS, RTECS\*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU

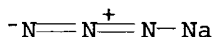
Searched by Noble Jarrell

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAPlus document type: Conference; Dissertation; Journal; Patent; Report  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 CMBI (Combinatorial study); MSC (Miscellaneous); OCCU (Occurrence); PREP  
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses); NORL (No role in record)  
 RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);  
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);  
 MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC  
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);  
 NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological  
 study); FORM (Formation, nonpreparative); PREP (Preparation); PROC  
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



7640 REFERENCES IN FILE CA (1907 TO DATE)

121 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

7649 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 10 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 26023-30-3 REGISTRY

CN Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 700DA

CN Biomer L 9000

CN D,L-Dilactide polymer, SRU

CN D-Lactic acid-L-lactic acid copolymer, SRU

CN D-Lactide-L-lactide copolymer, sru

CN DL-3,6-dimethyl-1,4-dioxane-2,5-dione homopolymer, SRU

CN DL-Lactic acid homopolymer

CN DL-Lactic acid homopolymer, SRU

CN DL-Lactic acid polymer, sru

CN DL-lactide homopolymer, SRU

CN DL-Lactide polymer, SRU

CN DL-Poly(lactic acid), SRU

CN Ecoloju

CN Ecoloju SEP

CN Ecoloju SEP 15

CN Ecoloju SEP 25

CN Ecoloju SFP

CN Ecoloju SFPT

CN EcoPla

CN EcoPla 3000D

CN EcoPla 300D

CN EcoPla 4040D

CN EcoPla 4200D

CN EcoPla 5039B

CN EcoPla 520

CN EcoPla 6200D

CN EcoPla 6301D



CN EcoPla 6310D  
CN EcoPla DVD 98  
CN Guidor  
CN H 1000  
CN H 440S  
CN HC  
CN HC (polylactide)  
CN Heplon A 10005  
CN Ingeo  
CN L 4040D  
CN L 5000  
CN L 5000 (polyester)  
CN Lacea  
CN Lacea CF 400  
CN Lacea H 100  
CN Lacea H 1000  
CN Lacea H 100E  
CN Lacea H 100PL  
CN Lacea H 100PW  
CN Lacea H 230  
CN Lacea H 280  
CN Lacea H 400  
CN Lacea H 440S

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 163714-70-3, 57214-58-1, 51063-13-9, 71950-85-1, 79934-21-7, 149234-22-0,  
118418-98-7, 157243-30-6, 183815-90-9, 210546-24-0, 294861-10-2,  
369363-49-5, 464895-92-9

MF (C3 H4 O2)n

CI PMS, COM

PCT Polyester

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT,  
CHEMCATS, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, MRCK\*, PIRA, PROMT,  
TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent;  
Preprint; Report

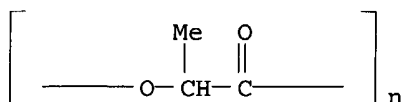
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU  
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
(Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP  
(Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC  
(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);  
PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES  
(Uses)

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

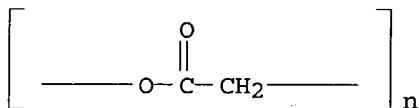
5948 REFERENCES IN FILE CA (1907 TO DATE)  
 185 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 5981 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 26009-03-0 REGISTRY  
 CN Poly[oxy(1-oxo-1,2-ethanediyl)] (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Poly(oxy carbonylmethylene) (8CI)  
 OTHER NAMES:  
 CN Biofix  
 CN Bondek  
 CN Bromoacetic acid homopolymer, sru  
 CN Dexon TC 33  
 CN Ethyl glycolate homopolymer, sru  
 CN Glycolic acid homopolymer, SRU  
 CN Glycolic acid polymer, SRU  
 CN Glycolide homopolymer, sru  
 CN Hydroxyacetic acid homopolymer, SRU  
 CN Hydroxyacetic acid polymer, SRU  
 CN Methyl glycolate homopolymer, sru  
 CN Monochloroacetic acid sodium salt homopolymer, SRU  
 CN PHO 3836  
 CN Poly(glycolic acid polyester)  
 CN Poly(glycolic acid), SRU  
 CN Poly(L-glycolic acid), sru  
 CN Poly(p-dioxane-2,5-dione)  
 CN Polyglycolic acid  
 CN Polyglycolide  
 CN Polyglycolide, SRU  
 CN Sodium bromoacetate homopolymer, SRU  
 CN Surgisorb SV 013  
 CN SV 013  
 DR 32168-63-1  
 MF (C2 H2 O2)n  
 CI PMS, COM  
 PCT Polyester  
 LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CIN, CSCHM, DDFU, DRUGU, EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, PIRA, PROMT, TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: WHO  
 DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP

Searched by Noble Jarrell

(Properties); RACT (Reactant or reagent); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*



1934 REFERENCES IN FILE CA (1907 TO DATE)  
 61 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1945 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 25322-69-4 REGISTRY  
 CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)  
 (CA INDEX NAME)

OTHER NAMES:

CN .alpha.-Hydro-.omega.-hydroxypoly(oxypropylene)  
 CN 1,2-Epoxypropane polymer  
 CN 1,2-Propanediol, homopolymer  
 CN 1,2-Propylene glycol-propylene oxide polymer  
 CN 835E  
 CN Acclaim 2020  
 CN Acclaim 3200  
 CN Acclaim 8000  
 CN Acclaim DPP 12200  
 CN Actcol 51-530  
 CN Actcol MF 30  
 CN Actcol P 21  
 CN Actcol P 22  
 CN Actcol P 23  
 CN Actcol P 23K  
 CN Actcol P 25  
 CN Actcol PC 244  
 CN Adeka Carpol DL  
 CN Adeka Carpol DL 150  
 CN Adeka Carpol DL 80  
 CN Adeka Carpol M 110  
 CN Adeka P 1000  
 CN Adeka P 2000  
 CN Adeka P 3000  
 CN Adeka P 400  
 CN Adeka P 700  
 CN Adeka Polyether P 700  
 CN Alkapol PPG 4000  
 CN Arco R 2446  
 CN Arcol 1000N  
 CN Arcol 1004  
 CN Arcol 1010  
 CN Arcol 1020  
 CN Arcol 2025

CN Arcol PPG 1025  
CN Arcol PPG 2025  
CN Arcol PPG 3025  
CN Arcol PPG 425  
CN Arcol PPG 725  
CN Arcol R 1885  
CN BP 18100  
CN D 2000  
CN D 300  
CN D 400  
CN D 7P  
CN Desmophen 1600 U  
CN Desmophen 1600U  
CN Desmophen 360C  
CN Desmophen L 800  
CN Desmophen LP 112

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

AR 25266-78-8, 25989-03-1  
DR 9003-15-0, 9079-22-5, 9079-23-6, 9087-30-3, 176742-37-3, 161278-03-1,  
174206-36-1, 174722-18-0, 122392-88-5, 126906-04-5, 53528-82-8,  
53863-41-5, 54500-36-6, 124631-70-5, 125147-71-9, 130842-36-3,  
131649-30-4, 56591-76-5, 57137-06-1, 123687-98-9, 124448-74-4,  
120468-96-4, 64176-87-0, 64940-80-3, 63279-07-2, 133439-62-0, 134092-40-3,  
134192-23-7, 135355-02-1, 97199-67-2, 98444-52-1, 98565-98-1, 98913-22-5,  
99130-49-1, 66988-34-9, 105844-84-6, 51019-30-8, 51568-92-4, 51922-49-7,  
119652-85-6, 115450-63-0, 61090-28-6, 109489-48-7, 66174-27-4, 37231-68-8,  
68821-81-8, 138704-46-8, 69900-45-4, 145699-74-7, 70992-51-7, 74870-00-1,  
75139-15-0, 146024-61-5, 150825-72-2, 80408-02-2, 143710-19-4,  
152287-82-6, 85497-31-0, 82548-17-2, 81774-53-0, 81774-61-0, 84420-39-3,  
84503-25-3, 84682-96-2, 87608-88-6, 87940-78-1, 88025-94-9, 91218-84-7,  
92094-60-5, 89126-79-4, 27274-27-7, 28724-27-8, 29434-03-5, 34465-52-6,  
39465-43-5, 52309-41-8, 100357-60-6, 111146-16-8, 116958-46-4,  
117968-93-1, 118441-48-8, 187954-99-0, 250380-45-1, 380912-66-3,  
380912-82-3

MF (C3 H6 O)n H2 O

CI IDS, PMS, COM

PCT Polyether

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN,  
CSCHEM, CSNB, DDFU, DETHERM\*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT,  
ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA,  
MEDLINE, MSDS-OHS, NIOSHTIC, PDLCOM\*, PIRA, PROMT, RTECS\*, TOXCENTER,  
TULSA, ULIDAT, USPAT2, USPATFULL, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent;  
Preprint; Report

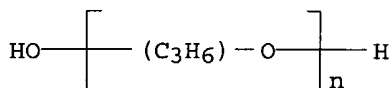
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC  
(Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);  
PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role  
in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC  
(Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);  
PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);

MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

13251 REFERENCES IN FILE CA (1907 TO DATE)  
4635 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
13261 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 13 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 15158-62-0 REGISTRY

CN Ruthenium(2+), tris(2,2'-bipyridine-.kappa.N1,.kappa.N1')-, (OC-6-11)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ruthenium(2+), tris(2,2'-bipyridine)-, ion (8CI)

CN Ruthenium(2+), tris(2,2'-bipyridine-N,N')-, (OC-6-11)-

OTHER NAMES:

CN (.+.-)-Tris(2,2'-bipyridine)ruthenium(2+)

CN Tris(2,2'-bipyridine)ruthenium ion(2+)

CN Tris(2,2'-bipyridine)ruthenium(2+)

CN Tris(2,2'-bipyridine)ruthenium(II)

CN Tris(2,2'-bipyridine)ruthenium(II) ion

CN Tris(2,2'-bipyridyl)ruthenium(2+)

CN Tris(2,2'-bipyridyl)ruthenium(II)

CN Tris(2,2'-dipyridine)ruthenium(2+)

CN Tris(bipyridine)ruthenium(2+)

CN Tris(bipyridine)ruthenium(II)

DR 23677-82-9, 69028-29-1, 71031-51-1

MF C30 H24 N6 Ru

CI CCS, COM

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, GMELIN\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, PROMT, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report

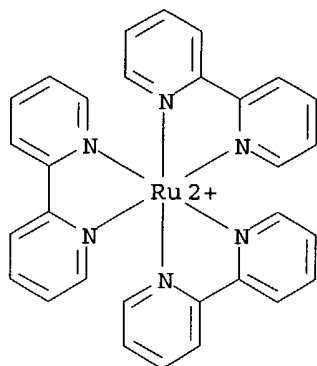
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU

(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



2436 REFERENCES IN FILE CA (1907 TO DATE)  
 94 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 2439 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9050-30-0 REGISTRY

CN Heparan, sulfate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Heparitin sulfate (8CI)

OTHER NAMES:

CN Alpha-Idosane

CN Heparan N-sulfate

CN Heparan sulphate

CN Heparatan sulfate

CN Heparitin

CN Heparitin monosulfate

CN HHS 5

CN N-Acetylheparan sulfate

CN Suleparoid

CN Tavidan

DR 666856-66-2, 666856-67-3, 12751-16-5, 11078-25-4, 11097-05-5, 11129-40-1, 29188-70-3

MF H2 O4 S . x Unspecified

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IMSRESEARCH, IPA, MEDLINE, PROMT, RTECS\*, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

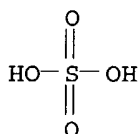
CM 1

CRN 70226-44-7  
 CMF Unspecified  
 CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 7664-93-9  
 CMF H2 O4 S



4657 REFERENCES IN FILE CA (1907 TO DATE)  
 266 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4665 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9035-51-2 REGISTRY

CN Cytochrome P 450 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Cytochrome m

CN Cytochrome P 450-linked monooxygenase

CN Cytochrome P-450 mixed-function oxidase

CN Flavocytochrome P 450

CN P 450

CN Supermix

DR 54577-77-4, 57973-92-9, 85537-39-9, 85537-40-2, 87003-45-0

MF Unspecified

CI COM, MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMINFORMRX, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NIOSHTIC, PIRA, PROMT, TOXCENTER, ULIDAT, USPAT2, USPATFULL

DT.CA CApplus document type: Book; Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

33674 REFERENCES IN FILE CA (1907 TO DATE)

521 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

33693 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 7782-44-7 REGISTRY

CN Oxygen (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Dioxygen

CN Molecular oxygen

CN Oxygen molecule

FS 3D CONCORD

DR 1338-93-8, 14797-70-7, 80217-98-7, 80937-33-3

MF O2

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM\*, DIOGENES, DIPPR\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PDLCOM\*, PIRA, PROMT, PS, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

O=O



## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

348067 REFERENCES IN FILE CA (1907 TO DATE)  
 27702 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 348374 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 17 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 7757-83-7 REGISTRY

CN Sulfurous acid, disodium salt (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Anhydrous sodium sulfite

CN Disodium sulfite

CN Disodium sulfite (Na<sub>2</sub>SO<sub>3</sub>)

CN E 221

CN S-WAT

CN Sodium sulfite

CN Sodium sulfite (Na<sub>2</sub>SO<sub>3</sub>)

CN Sodium sulfite anhydrous

AR 10579-83-6

DR 68135-69-3

MF H2 O3 S . 2 Na

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,  
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DIOGENES,  
 DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*,  
 HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC,  
 PDLCOM\*, PIRA, PROMT, RTECS\*, TOXCENTER, TULSA, ULIDAT, USPAT2,  
 USPATFULL, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report

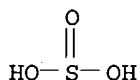
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU  
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
 (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
 study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP  
 (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU  
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
 (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: FORM (Formation,  
 nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties);  
 RACT (Reactant or reagent); USES (Uses)

CRN (7782-99-2)



● 2 Na

10081 REFERENCES IN FILE CA (1907 TO DATE)  
154 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
10090 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 7631-86-9 REGISTRY

CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1165MP

CN 175GR

CN 255S

CN 300CF

CN 30R50

CN 30R7

CN 3K

CN 3KS

CN 400G

CN 400WQ

CN 5X

CN 937L

CN 940UP

CN 955W

CN 980H

CN A 150

CN A 175

CN A 200

CN A 300

CN A 380

CN Acematt HK 400

CN Acematt TS 100

CN Acrifix 122

CN Acticel

CN Adelite 20N

CN Adelite 30

CN Adelite A

CN Adelite AD 321

CN Adelite AT

CN Adelite AT 20

CN Adelite AT 20A

CN Adelite AT 20N

CN Adelite AT 20Q

CN Adelite AT 20S

CN Adelite AT 30

CN Adelite AT 30A

CN Adelite AT 30B

CN Adelite AT 30S

CN Adelite AT 40

CN Adelite AT 50

CN Adelite BT 55

CN Adelite BT 59

CN Adelite CT 100

CN Adelite CT 300

CN Admafine C 5

CN Admafine SD 25R

CN Admafine SE 2050

CN Admafine SE 5100

CN Admafine SO-C 1

CN Admafine SO-C 5

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

FS 3D CONCORD  
 DR 11139-72-3, 11139-73-4, 12125-13-2, 12737-36-9, 12753-63-8, 12765-74-1,  
 12774-28-6, 9049-77-8, 1340-09-6, 172306-09-1, 173299-41-7, 127689-16-1,  
 127831-27-0, 126879-14-9, 126879-30-9, 126879-49-0, 53468-64-7,  
 125623-17-8, 56645-27-3, 56731-06-7, 122985-48-2, 55599-33-2, 60572-11-4,  
 62655-73-6, 97343-62-9, 97709-14-3, 98226-40-5, 98253-25-9, 67167-16-2,  
 113384-41-1, 50813-13-3, 50926-93-7, 50935-83-6, 51542-57-5, 51542-58-6,  
 61673-46-9, 108727-71-5, 136303-13-4, 136881-80-6, 37220-24-9, 37241-25-1,  
 37334-65-9, 37340-45-7, 37380-93-1, 139074-73-0, 137263-03-7, 145537-54-8,  
 145686-91-5, 145808-77-1, 70536-23-1, 70563-35-8, 78207-17-7, 146585-72-0,  
 152206-35-4, 152787-33-2, 155552-25-3, 155575-05-6, 83589-56-4,  
 83652-92-0, 149779-02-2, 87501-59-5, 89493-21-0, 39336-66-8, 39372-58-2,  
 39409-25-1, 39443-40-8, 39456-81-0, 52350-43-3, 107497-59-6, 179046-03-8,  
 184654-53-3, 185461-90-9, 188357-77-9, 191289-29-9, 206770-31-2,  
 207868-97-1, 217643-58-8, 231629-15-5, 247900-77-2, 250579-70-5,  
 250579-78-3, 264907-28-0, 330152-64-2, 341028-71-5, 368432-40-0,  
 402828-37-9, 402828-39-1, 402828-40-4

MF O2 Si  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS,  
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,  
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB,  
 DDFU, DETHERM\*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,  
 ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB,  
 IMSCOSEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA,  
 PROMT, RTECS\*, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU,  
 VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;  
 Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC  
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);  
 PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role  
 in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
 study); BIOL (Biological study); CMBI (Combinatorial study); FORM  
 (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence);  
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);  
 MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC  
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);  
 NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC  
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);  
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)

O=Si=O

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

303542 REFERENCES IN FILE CA (1907 TO DATE)

Searched by Noble Jarrell

5935 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
303876 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 19 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 1499-10-1 REGISTRY  
CN Anthracene, 9,10-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)

## OTHER NAMES:

CN 9,10-Diphenylanthracene

CN DPA

CN NSC 24861

FS 3D CONCORD

DR 65166-75-8

MF C26 H18

CI COM

LC STN Files: ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DETHERM\*, EMBASE, GMELIN\*, HODOC\*, IFICDB, IFIPAT, IFIUDb, MEDLINE, MSDS-OHS, NIOSHTIC, PROMT, SPECINFO, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

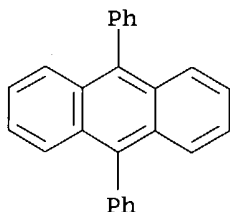
DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1442 REFERENCES IN FILE CA (1907 TO DATE)  
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1443 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
64 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 20 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 1406-05-9 REGISTRY  
CN Penicillin (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Mykoin BF 510

CN Penicillins  
 DR 88326-90-3, 88326-91-4, 88326-92-5, 88326-93-6  
 MF Unspecified  
 CI COM, MAN  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,  
 CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB,  
 DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, NAPRALERT,  
 NIOSHTIC, PDLCOM\*, PHAR, PIRA, PROMT, RTECS\*, TOXCENTER, USPAT2,  
 USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;  
 Report  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU  
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
 (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
 study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);  
 PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES  
 (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU  
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
 (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC  
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);  
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

10003 REFERENCES IN FILE CA (1907 TO DATE)

309 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

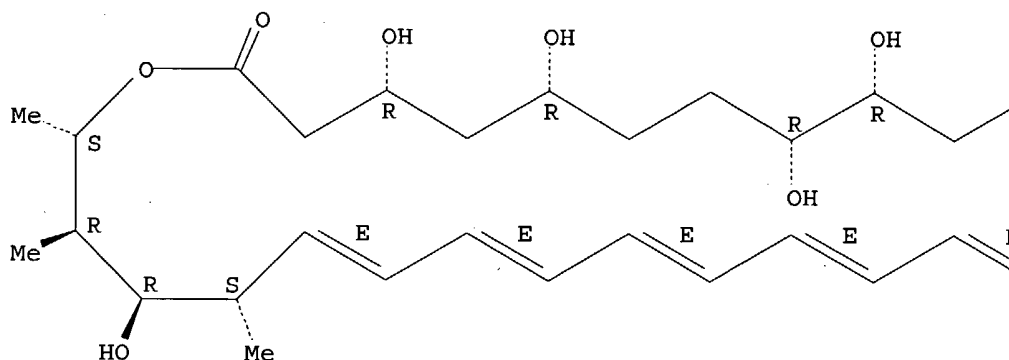
10010 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 1397-89-3 REGISTRY  
 CN Amphotericin B (8CI, 9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Fungizone (7CI)  
 OTHER NAMES:  
 CN (1R,3S,5R,6R,9R,11R,15S,16R,17R,18S,19E,21E,23E,25E,27E,29E,31E,33R,35S,36  
 R,37S)-33-[(3-Amino-3,6-dideoxy-.beta.-D-mannopyranosyl)oxy]-  
 1,3,5,6,9,11,17,37-octahydroxy-15,16,18-trimethyl-13-oxo-14,39-  
 dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-  
 carboxylic acid  
 CN 14,39-Dioxabicyclo[33.3.1]nonatriaconta-19,21,23,25,27,29,31-heptaene-36-  
 carboxylic acid, 33-[(3-amino-3,6-dideoxy-.beta.-D-mannopyranosyl)oxy]-  
 1,3,5,6,9,11,17,37-octahydroxy-15,16,18-trimethyl-13-oxo-,  
 (1R,3S,5R,6R,9R,11R,15S,16R,17R,18S,19E,21E,23E,25E,27E,29E,31E,33R,35S,36  
 R,37S)-  
 CN Abelcet  
 CN AmBisome  
 CN Ampho-Moronal  
 CN Amphocin  
 CN Amphozone  
 CN Fungilin  
 CN Halizon  
 CN LNS-AmB

CN NS 718  
 CN NSC 527017  
 AR 30652-87-0  
 FS STEREOSEARCH  
 DR 170451-78-2, 8055-20-7, 54482-28-9, 30782-62-8  
 MF C47 H73 N O17  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*,  
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS,  
 CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DIOGENES,  
 DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS,  
 IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PHAR,  
 PROMT, PROUSDDR, PS, RTECS\*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;  
 Report  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);  
 FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP  
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses); NORL (No role in record)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical  
 study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP  
 (Preparation); PROC (Process); PRP (Properties); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological  
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU  
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT  
 (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC  
 (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties);  
 RACT (Reactant or reagent); USES (Uses)

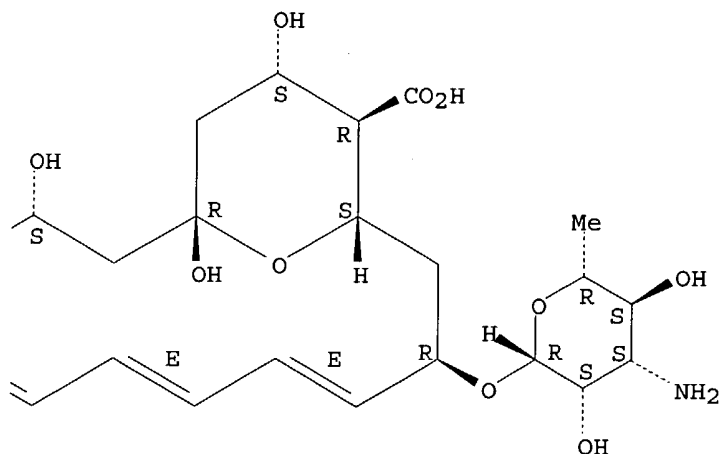
Absolute stereochemistry.  
 Double bond geometry as shown.

PAGE 1-A



Searched by Noble Jarrell

PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4698 REFERENCES IN FILE CA (1907 TO DATE)  
 165 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4708 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 22 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 865-21-4 REGISTRY

CN Vincalureoblastine (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Indolizino[8,1-cd]carbazole, vincalureoblastine deriv.

CN 2H-3,7-Methanoazacycloundecino[5,4-b]indole, vincalureoblastine deriv.

CN Vinblastine (7CI)

OTHER NAMES:

CN (+)-Vinblastine

CN 1H-Indolizino[8,1-cd]carbazole-5-carboxylic acid, 4-(acetyloxy)-3a-ethyl-9-[5-ethyl-1,4,5,6,7,8,9,10-octahydro-5-hydroxy-9-(methoxycarbonyl)-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-3a,4,5,5a,6,11,12,13a-octahydro-5-hydroxy-8-methoxy-6-methyl-, methyl ester, [3aR-[3a.alpha.,4.beta.,5.beta.,5a.beta.,9(3R\*,5S\*,7R\*,9S\*),10bR\*,13a.alpha.]]-

CN Rozevin

CN Vinblastin

CN Vincalureoblastin

CN Vincalureoblastine

CN VLB

CN [3aR-[3a.alpha.,4.beta.,5.beta.,5a.beta.,9(3R\*,5S\*,7R\*,9S\*),10bR\*,13a.alpha.a.]]-Methyl 4-(acetyloxy)-3a-ethyl-9-[5-ethyl-1,4,5,6,7,8,9,10-octahydro-5-hydroxy-9-(methoxycarbonyl)-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-3a,4,5,5a,6,11,12,13a-octahydro-5-hydroxy-8-methoxy-6-methyl-1H-indolizino[8,1-cd]carbazole-5-carboxylate

FS STEREOSEARCH

DR 7060-58-4, 57-23-8

MF C46 H58 N4 O9

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DDFU, DIOGENES, DRUGU, EMBASE,

Searched by Noble Jarrell

HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

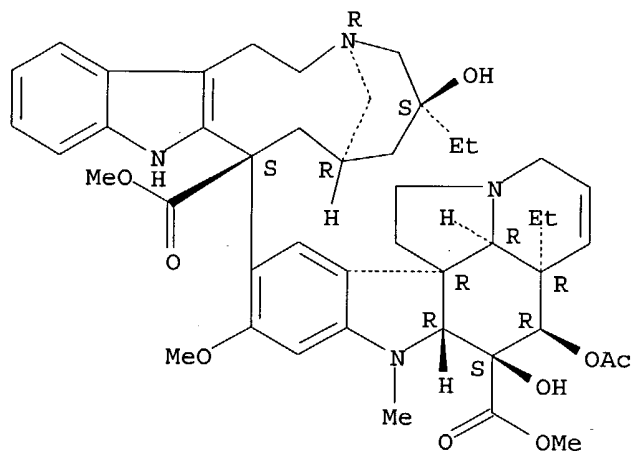
(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4523 REFERENCES IN FILE CA (1907 TO DATE)  
 148 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4531 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 23 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 151-21-3 REGISTRY  
 CN Sulfuric acid monododecyl ester sodium salt (8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN Adeka Hope LS 35  
 CN Adeka Hope LS 90  
 CN Akypoal NLS

Searched by Noble Jarrell



CN Akyposal SDS  
CN Alscoap LN 40A  
CN Alscoap LN 90  
CN Alscoap MP 90N  
CN Alscoap SP 40  
CN Aquarex Me  
CN Avirol 101  
CN Avirol SL 2010  
CN Berol 452  
CN Bio-Soft SDBS 60  
CN Calfoam SLS 30  
CN Carsonol SLS-S  
CN Conco Sulfate WAS  
CN Cycloryl 21LS  
CN Cycloryl 580  
CN Dehydag Sulfate GL  
CN Dodecyl sodium sulfate  
CN Dodecyl sulfate sodium salt  
CN Dreft  
CN Duponol C  
CN Duponol ME  
CN Duponol QC  
CN Duponol WA  
CN Duponol WA Dry  
CN Duponol WAQ  
CN Duponol WAQE  
CN Duponol WAQM  
CN Emal 10  
CN Emal 10 Needle  
CN Emal 10 Powder  
CN Emal 2F  
CN Emal 2F Needle  
CN Emal 2F30  
CN Emal O  
CN Emal OS  
CN Empicol 0303  
CN Empicol 0303VA  
CN Empicol BSD 70  
CN Empicol LPZ  
CN Empicol LS 30  
CN Empicol LX 28  
CN Empicol LX 28R  
CN Empicol LX 42  
CN Empicol LXSV 938U  
CN Empicol LXV  
CN Empicol LY 28S  
CN Empicol LZ/D

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 12738-53-3, 12765-21-8, 8012-56-4, 1334-67-4, 1335-72-4, 172826-72-1,  
121481-64-9, 58640-35-0, 57176-54-2, 64441-33-4, 129203-37-8, 51222-39-0,  
61711-39-5, 111726-87-5, 74433-77-5, 145269-44-9, 152155-52-7,  
156108-01-9, 191490-40-1, 237743-45-2, 303179-49-9

MF C12 H26 O4 S . Na

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*,  
BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT,  
CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,  
DETERM\*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,  
ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*,

MSDS-OHS, NIOSHTIC, PDLCOM\*, PHAR, PIRA, PROMT, RTECS\*, TOXCENTER,  
TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

CRN (151-41-7)

HO<sub>3</sub>SO- (CH<sub>2</sub>)<sub>11</sub>-Me

● Na

30378 REFERENCES IN FILE CA (1907 TO DATE)

269 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

30428 REFERENCES IN FILE CAPLUS (1907 TO DATE)

32 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 24 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 113-24-6 REGISTRY

CN Propanoic acid, 2-oxo-, sodium salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pyruvic acid, sodium salt (7CI, 8CI)

OTHER NAMES:

CN Sodium .alpha.-ketopropionate

CN Sodium pyruvate

DR 220803-31-6

MF C3 H4 O3 . Na

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NIOSHTIC, PROMT, PS, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

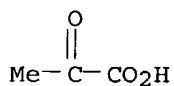
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 CRN (127-17-3)



● Na

1017 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1017 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 25 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 59-05-2 REGISTRY  
 CN L-Glutamic acid, N-[4-[[[2,4-diamino-6-pteridiny]methyl]methylamino]benzoyl]- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Glutamic acid, N-[p-[[[2,4-diamino-6-pteridiny]methyl]methylamino]benzoyl]-, L-(+)- (8CI)  
 OTHER NAMES:  
 CN (+)-Amethopterin  
 CN 4-Amino-10-methylfolic acid  
 CN 4-Amino-N10-methylfolic acid  
 CN 4-Amino-N10-methylpteroylglutamic acid  
 CN Amethopterin  
 CN Amethopterin  
 CN Antifolan  
 CN CL 14377  
 CN EMT 25299  
 CN Emtexate  
 CN L-Amethopterin  
 CN L-Methotrexate  
 CN Ledertrexate  
 CN Metatrexan  
 CN Methotrexat-Ebewe  
 CN Methotrexate  
 CN Methylaminopterin  
 CN Mexate  
 CN MTX  
 CN N-[p-[[[2,4-Diamino-6-pteridiny]methyl]methylamino]benzoyl]-L-(+)-glutamic acid  
 CN NSC 740  
 CN R 9985  
 CN Rheumatrex  
 FS STEREOSEARCH  
 MF C20 H22 N8 O5  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,

BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Report

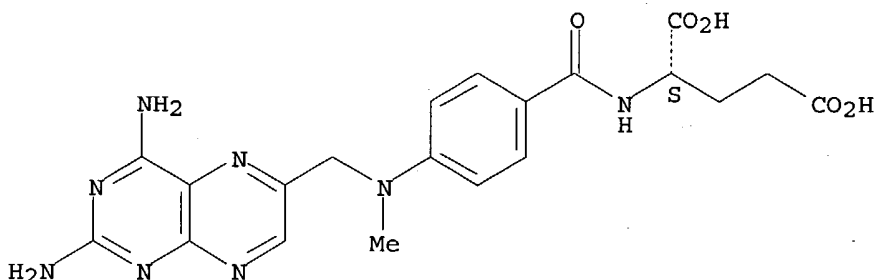
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

11297 REFERENCES IN FILE CA (1907 TO DATE)  
 756 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 11312 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 73 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 26 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN

RN 57-92-1 REGISTRY

CN D-Streptomine, O-2-deoxy-2-(methylamino)-.alpha.-L-glucopyranosyl-(1.fwdarw.2)-O-5-deoxy-3-C-formyl-.alpha.-L-lyxofuranosyl-(1.fwdarw.4)-N,N'-bis(aminoiminomethyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Streptomycin (8CI)

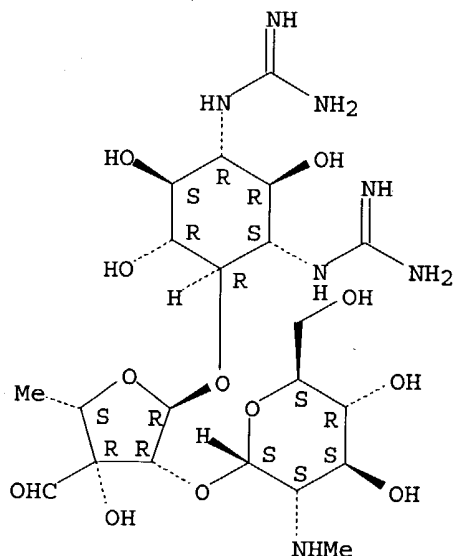
OTHER NAMES:

CN 2,4-Diguanidino-3,5,6-trihydroxycyclohexyl 5-deoxy-2-O-(2-deoxy-2-methylamino-.alpha.-glucopyranosyl)-3-formylpentofuranoside

CN Agrept

CN Agrimycin  
 CN Neodiestreptopab  
 CN NSC 14083  
 CN Streptomycin A  
 FS STEREOSEARCH  
 DR 12672-24-1, 82958-69-8, 47814-83-5, 47816-81-9, 364062-67-9  
 MF C21 H39 N7 O12  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS\*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Report  
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.



Searched by Noble Jarrell

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

13186 REFERENCES IN FILE CA (1907 TO DATE)  
89 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
13198 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> b wpix

FILE 'WPIX' ENTERED AT 16:02:56 ON 30 AUG 2004  
COPYRIGHT (C) 2004 THOMSON DERWENT

FILE LAST UPDATED: 26 AUG 2004 <20040826/UP>  
MOST RECENT DERWENT UPDATE: 200455 <200455/DW>  
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,  
PLEASE VISIT:  
[http://www.stn-international.de/training\\_center/patents/stn\\_guide.pdf](http://www.stn-international.de/training_center/patents/stn_guide.pdf) <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE  
<http://thomsonderwent.com/coverage/latestupdates/> <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER  
GUIDES, PLEASE VISIT:  
<http://thomsonderwent.com/support/userguides/> <<<

>>> NEW! FAST-ALERTING ACCESS TO NEWLY-PUBLISHED PATENT  
DOCUMENTATION NOW AVAILABLE IN DERWENT WORLD PATENTS INDEX  
FIRST VIEW - FILE WPIFV.  
FOR FURTHER DETAILS: <http://www.thomsonderwent.com/dwpifv> <<<

>>> NEW DISPLAY FORMAT HITSTR ADDED ALLOWING DISPLAY OF  
HIT STRUCTURES WITHIN THE BIBLIOGRAPHIC DOCUMENT <<<

=> d all 14

L4 ANSWER 1 OF 1 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 2004-478206 [45] WPIX  
DNN N2004-376924 DNC C2004-178120  
TI Detecting oxygen consumption in test sample, e.g. biological sample, by  
exposing test sample and control sample to sensor composition, determining  
strength of signals generated by sensor composition, and comparing  
strengths of signals.  
DC A89 B04 D16 J04 S03 T01  
IN KEITH, S C  
PA (KEIT-I) KEITH S C  
CYC 1  
PI US 2004106209 A1 20040603 (200445)\* 16 G01N033-00 <--  
ADT US 2004106209 A1 Cont of US 1991-687359 19910418, CIP of US 1993-25899  
19930303, CIP of US 1996-715557 19960918, CIP of US 1999-342720 19990629,  
CIP of US 2000-642504 20000818, US 2001-966505 20010928  
FDT US 2004106209 A1 CIP of US 5567598, CIP of US 6395506  
PRAI US 2001-966505 20010928; US 1991-687359 19910418;  
US 1993-25899 19930303; US 1996-715557 19960918;  
US 1999-342720 19990629; US 2000-642504 20000818  
IC ICM G01N033-00  
AB US2004106209 A UPAB: 20040810  
NOVELTY - Detection of oxygen consumption in test sample includes exposing  
test sample and control sample to sensor composition, determining signal

strength generated by the sensor composition at time intervals, and comparing the strengths of signals generated from the sensor composition exposed to test sample with the signals generated by the sensor composition exposed to control sample, and determining whether oxygen in test sample has been consumed.

DETAILED DESCRIPTION - Detection of oxygen consumption in a test sample includes exposing a test sample and a control sample to a sensor composition comprising a luminescent compound that is inhibited from generating detectable signal in the presence of inhibitory amount of oxygen and generates detectable signal as the inhibitory amount of oxygen is reduced; determining the strength of signals generated by the sensor compositions at time intervals; and comparing the strengths of signals generated from the sensor composition exposed to the test sample with the signals generated by the sensor composition exposed to the control sample over the time intervals, and determining whether oxygen in the test sample has been consumed.

An INDEPENDENT CLAIM is also included for an article of manufacture comprising a computer usable medium, a computer readable code embodied on the computer usable medium for detecting oxygen consumption in a test sample and designed to receive signals generated at time intervals by a sensor composition, and computer readable program code devices designed to cause the computer to effect the comparing of the strengths of signals generated from the sensor composition exposed and determining whether oxygen in the test sample has been consumed.

USE - For detecting oxygen consumption in test sample, e.g. biological sample.

ADVANTAGE - The inventive method enables similar fluorescent signals from control and test samples to be distinguishable, so that over time, once can assess whether or not oxygen consumption occurring in a test sample is different from that occurring in a control sample.

Dwg.0/7

FS CPI EPI

FA AB; DCN

MC CPI: A12-L04; A12-W11L; B04-L03C; B05-A03B; B05-C08; B08-D02; B11-C07B3;  
B11-C08E3; B12-K04E; D05-A02A; D05-H09; J04-B01; J04-C02  
EPI: S03-E14H; T01-S03

=> b home

FILE 'HOME' ENTERED AT 16:03:05 ON 30 AUG 2004

=>